

ClaimsWhat is claimed is:

- 1 1. A computer controlled system for modularizing the
2 information technology structure of a business
3 organization into a structure of interchangeable holonic
4 self-contained modules, with each module performing a set
5 of related functions comprising:
6 means for providing a plurality of sets of self-
7 controlling holons, each holon in each set performing a
8 business capability of the same type as performed by the
9 other holons in its respective set but each set of holons
10 performing a different business capability type than the
11 other sets of holons; and
12 means for providing a plurality of integration
13 holons, each integration holon respectively integrating
14 the holons in one of said sets to provide a coordinated
15 overall business capability of one of said different
16 types.
- 1 2. The system for modularizing the information
2 technology structure of a business organization of claim
3 1 wherein each integration holon integrates the holons in
4 one of said sets to unitary overall business capability
5 holon.
- 1 3. The system for modularizing the information
2 technology structure of a business organization of claim
3 1 wherein the business capability type performed by one
4 of said sets of holons is World Wide Web services
5 capability.

1 4. The system for modularizing the information
2 technology structure of a business organization of claim
3 3 wherein the business capability type performed by
4 another of said sets of holons is of the internal
5 business organization type.

1 5. The system for modularizing the information
2 technology structure of a business organization of claim
3 4 wherein the business capability type performed by
4 another of said sets of holons is of the data processing
5 organization type.

1 6. The system for modularizing the information
2 technology structure of a business organization of claim
3 2 wherein said holons are interchangeable to perform
4 their respective business capabilities in other
5 information technology structures.

1 7. The system for modularizing the information
2 technology structure of a business organization of claim
3 6 further including:
4 a holon directory listing available interchangeable
5 holons and the respective business capability of each of
6 said available holons; and
7 means for registering an interchangeable holon in
8 said directory.

1 8. The system for modularizing the information
2 technology structure of a business organization of claim
3 5 further including means for visualizing the modularized
4 information technology structure of said business
5 organization on a display of said computer controlled
6 system.

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1 9. In a computer controlled system, a method for
2 modularizing the information technology structure of a
3 business organization into a structure of interchangeable
4 holonic self-contained modules, with each module
5 performing a set of related functions comprising:

6 providing a plurality of sets of self-controlling
7 holons, each holon in each set performing a business
8 capability of the same type as performed by the other
9 holons in its respective set but each set of holons
10 performing a different business capability type than the
11 other sets of holons; and

12 providing a plurality of integration holons, each
13 integration holon respectively integrating the holons in
14 one of said sets to provide a coordinated overall
15 business capability of one of said different types.

1 10. The method for modularizing the information
2 technology structure of a business organization of claim
3 8 wherein each integration holon integrates the holons in
4 one of said sets to unitary overall business capability
5 holon.

1 11. The method for modularizing the information
2 technology structure of a business organization of claim
3 9 wherein the business capability type performed by one
4 of said sets of holons is World Wide Web services
5 capability.

1 12. The method for modularizing the information
2 technology structure of a business organization of claim
3 11 wherein the business capability type performed by
4 another of said sets of holons is of the internal
5 business organization type.

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1 13. The method for modularizing the information
2 technology structure of a business organization of claim
3 12 wherein the business capability type performed by
4 another of said sets of holons is of the data processing
5 organization type.

1 14. The method for modularizing the information
2 technology structure of a business organization of claim
3 10 wherein said holons are interchangeable to perform
4 their respective business capabilities in other
5 information technology structures.

1 15. The method for modularizing the information
2 technology structure of a business organization of claim
3 13 further including the steps of:
4 providing a holon directory listing available
5 interchangeable holons and the respective business
6 capability of each of said available holons; and
7 registering an interchangeable holon in said
8 directory.

1 16. The method for modularizing the information
2 technology structure of a business organization of claim
3 12 further including the step of visualizing the
4 modularized information technology structure of said
5 business organization on a display of said computer
6 controlled system.

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1 17. A computer program having code recorded on a
2 computer readable medium in a computer controlled system
3 for modularizing the information technology structure of
4 a business organization into a structure of
5 interchangeable holonic self-contained modules, with each
6 module performing a set of related functions comprising:
7 means for providing a plurality of sets of self-
8 controlling holons, each holon in each set performing a
9 business capability of the same type as performed by the
10 other holons in its respective set but each set of holons
11 performing a different business capability type than the
12 other sets of holons; and
13 means for providing a plurality of integration
14 holons, each integration holon respectively integrating
15 the holons in one of said sets to provide a coordinated
16 overall business capability of one of said different
17 types.

1 18. The computer program for modularizing the
2 information technology structure of a business
3 organization of claim 17 wherein each integration holon
4 integrates the holons in one of said sets to unitary
5 overall business capability holon.

1 19. The computer program for modularizing the
2 information technology structure of a business
3 organization of claim 17 wherein the business capability
4 type performed by one of said sets of holons is World
5 Wide Web services capability.

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1 20. The computer program for modularizing the
2 information technology structure of a business
3 organization of claim 19 wherein the business capability
4 type performed by another of said sets of holons is of
5 the internal business organization type.

1 21. The computer program for modularizing the
2 information technology structure of a business
3 organization of claim 20 wherein the business capability
4 type performed by another of said set of holons is of the
5 data processing organization type.

1 22. The computer program for modularizing the
2 information technology structure of a business
3 organization of claim 18 wherein said holons are
4 interchangeable to perform their respective business
5 capabilities in other information technology structures.

1 23. The computer program for modularizing the
2 information technology structure of a business
3 organization of claim 22 further including:
4 a holon directory listing available interchangeable
5 holons and the respective business capability of each of
6 said available holons; and
7 means for registering an interchangeable holon in
8 said directory.

1 24. The computer program for modularizing the
2 information technology structure of a business
3 organization of claim 21 further including means for
4 visualizing the modularized information technology
5 structure of said business organization on a display of
6 said computer controlled system.

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